

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	("5848670").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/27 08:04
L2	2	"11204430"	EPO; JPO; DERWENT	OR	ON	2007/09/27 08:56
L8	9	("20020011204"   "20030075387"   "5796066"   "5848670"   "5879128"   "5900062"   "6120609"   "6146504").PN. OR ("6887317"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 08:27
L9	1	("2003/0075387").URPN.	USPAT	OR	ON	2007/09/27 08:29
L10	40	("4790258"   "4869801"   "4900962"   "4961352"   "5155336"   "5291975"   "5319273"   "5353656"   "5396140"   "5430271"   "5442288"   "5636963"   "5730801").PN. OR ("5879128"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 08:30
L11	35	("4363380"   "4591044"   "4810160"   "4813846"   "4990047"   "5350427"   "5430271"   "5540821"   "5569350"   "5636963"   "5669977"   "5690315").PN. OR ("5848670").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 08:35
L12	9	("5695568"   "5820685"   "5848670"   "5860640").PN. OR ("6146463"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 08:38
L13	15	("4724621"   "4951601"   "5566744"   "5695568"   "5820685"   "5834737"   "5860640"   "5989342"   "6141885"   "6146463"   "6151792"   "6183189").PN. OR ("6374508").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 08:38
L14	48	("3830194"   "4178113"   "4388034"   "4542712"   "4669938"   "4699554"   "4770590"   "4778382"   "4820907"   "4831909"   "4840530"   "4938691"   "4955775"   "4962726"   "5009590"   "5034199"   "5048164"   "5058526"   "5089441"   "5177514"   "5277579").PN. OR ("5430271"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 08:49
L15	9	("20020011204"   "20030075387"   "5796066"   "5848670"   "5879128"   "5900062"   "6120609"   "6146504").PN. OR ("6887317"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 08:55

## EAST Search History

L16	2	"07176472"	EPO; JPO; DERWENT	OR	ON	2007/09/27 08:56
L17	597	(guid\$4 lift\$4) near pin with diameter	EPO; JPO; DERWENT	OR	ON	2007/09/27 09:19
L18	604	(guid\$4 lift\$4) near pin and taper\$4	EPO; JPO; DERWENT	OR	ON	2007/09/27 09:39
L19	114	(guid\$4 lift\$4) near pin and taper\$4 and diameter	EPO; JPO; DERWENT	OR	ON	2007/09/27 09:20
L20	1070167	(h01l021/\$ c23c014/\$ c23c016/\$). ipc.	EPO; JPO; DERWENT	OR	ON	2007/09/27 16:28
L21	1028	L20 and (guid\$4 lift\$4) near pin and (wafer semiconductor substrate)	EPO; JPO; DERWENT	OR	ON	2007/09/27 09:40
L22	327	L20 and (guid\$4 lift\$4) near pin and (wafer semiconductor substrate) and (vessel reactor chamber)	EPO; JPO; DERWENT	OR	ON	2007/09/27 10:46
L23	2383	(guid\$4 lift\$4) near pin same (wafer semiconductor substrate) same (vessel reactor chamber)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 10:47
L24	2180	(guid\$4 lift\$4) near pin with (wafer semiconductor substrate) same (vessel reactor chamber)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 10:47
L25	196089	("118"/\$ "156"/\$).cccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 10:47
L26	1050	L25 and l23	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 10:47
L27	135	l25 and (guid\$4 lift\$4) near pin same taper\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 15:48
L28	4237	l25 and (guid\$4 lift\$4) with pin with (guide sleeve insert flange step\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 10:58
L29	1583	l25 and (guid\$4 lift\$4) near pin with (guide sleeve insert flange step\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 10:58
L30	301	l25 and (guid\$4 lift\$4) near pin with (guide sleeve insert flange step\$4) same (semiconductor wafer substrate)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 13:15
L31	16	("5201653"   "5680502"   "5702264").PN. OR ("5817156"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 11:05
L32	8	("4431473"   "5215619"   "5350479"   "5669977"   "5796066"   "5956837").PN. OR ("6572708"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 11:15

## EAST Search History

L33	1	("2003/0075387").URPN.	USPAT	OR	ON	2007/09/27 12:50
L34	428	I25 and (guid\$4 lift\$4) near pin with (ring groove)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 13:16
L35	476	I25 and (guid\$4 lift\$4) near pin with (ring groove annular)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 13:27
L36	15	I25 and (guid\$4 lift\$4) near pin with (ring groove annular) with (deposit\$4 contaminant)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 13:19
L37	93	I25 and (guid\$4 lift\$4) near pin same (ring groove annular) same (deposit\$4 contaminant)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 13:19
L38	489	I25 and (guid\$4 lift\$4) near pin with (notch\$4 ring groove annular)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 13:27
L39	502	I25 and (guid\$4 lift\$4) near pin\$3 with (notch\$4 ring\$4 groov\$4 annular\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 14:01
L40	9	("4789294"   "5421893"   "6454516"   "6555164"   "6592675"   "6629788"   "6685815"   "6774550"   "6827092").PN. OR ("7256132").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 13:29
L41	173	I25 and (guid\$4 lift\$4) near pin\$3 with (notch\$4 groov\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 14:01
L42	4	("5669977"   "5848670"   "6572708"   "6646857").PN. OR ("7180283").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 14:17
L43	42	("2405897"   "2439516"   "3095777"   "3829150"   "4709655"   "4724621"   "4842683"   "4892753"   "5199483").PN. OR ("5566744").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 14:23
L44	42	("2405897"   "2439516"   "3095777"   "3829150"   "4709655"   "4724621"   "4842683"   "4892753"   "5199483").PN. OR ("5566744").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 14:23
L45	42	("2405897"   "2439516"   "3095777"   "3829150"   "4709655"   "4724621"   "4842683"   "4892753"   "5199483").PN. OR ("5566744").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 14:31
L46	3912	(118/728 156/345.51 118/500).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 16:29

## EAST Search History

L47	85	L46 and groov\$4 with deposit\$\$	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 15:03
L48	85	L46 and groov\$4 with deposit\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 15:13
L49	2	((("5855687") or ("5589224"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/27 17:26
L50	0	"l246" and (guid\$4 lift\$4) near pin same flar\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 15:51
L51	18	l46 and (guid\$4 lift\$4) near pin same flar\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 15:55
L52	28	l46 and (guid\$4 lift\$4) near pin same (taper\$4 trumpet\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 16:15
L53	41	l25 and planar near contour	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 16:26
L54	13	("5148714"   "5628829"   "5763856"   "5834371"   "5871586"   "6063199"   "6280793"   "6300600").PN. OR ("6402848"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 16:17
L55	843	planar near contour	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 16:27
L56	2	planar near contour and tokyo near electron	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 16:27
L57	0	11/117245	EPO; JPO; DERWENT	OR	ON	2007/09/27 16:28
L58	2	"11117245"	EPO; JPO; DERWENT	OR	ON	2007/09/27 16:28
L59	13	("5148714"   "5628829"   "5763856"   "5834371"   "5871586"   "6063199"   "6280793"   "6300600").PN. OR ("6402848"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 16:28
L60	6	l46 and column with exhaust	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 16:29
L61	2	("2000306851").PN.	EPO; JPO; DERWENT	OR	OFF	2007/09/27 17:26

## EAST Search History

S1	1	10/553843	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/26 13:40
S2	6	(Kentaro near Asakura).in.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 08:04
S8	2	"2003332193"	EPO; JPO; DERWENT	OR	ON	2007/09/26 14:06
S9	2	"2003124297"	EPO; JPO; DERWENT	OR	ON	2007/09/26 14:06
S10	2	"10102259"	EPO; JPO; DERWENT	OR	ON	2007/09/26 14:07
S11	196023	("118"/\$ "156"/\$).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/26 17:11
S12	2975	S11 and (guid\$4 lift\$4) near pin	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/26 17:17
S13	194	S11 and (guid\$4 lift\$4) near pin same sleeve	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/26 16:21
S14	144	S11 and ((guid\$4 lift\$4) near pin). ab.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/26 15:13
S15	5	("5558717"   "5848670"   "5935334").PN. OR ("6148762"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/26 15:00
S16	9	("5695568"   "5820685"   "5848670"   "5860640").PN. OR ("6146463"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/26 15:02
S17	6	("4931135"   "5421893"   "5665167"   "5820685"   "5985035").PN. OR ("6227786").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/26 15:09
S18	8	("5352294"   "5421893"   "5462603"   "5558717"   "5562947"   "6120609"   "6148762"   "6435798").PN. OR ("6884319"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/26 15:11
S19	3911	(118/728 156/345.51 118/500).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/27 15:02
S20	65	S19 and ((guid\$4 lift\$4) near pin). ab.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/26 15:13
S21	447	S19 and (guid\$4 lift\$4) near pin	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/26 16:14

## EAST Search History

S22	21102	(guid\$4 lift\$4) near pin	EPO; JPO; DERWENT	OR	ON	2007/09/27 09:19
S23	1070167	(h01l021/\$ c23c014/\$ c23c016/\$). ipc.	EPO; JPO; DERWENT	OR	ON	2007/09/26 16:14
S24	1285	S22 and S23	EPO; JPO; DERWENT	OR	ON	2007/09/26 16:14
S25	0	ll21 and (guid\$4 lift\$4) near pin and pressure and deposit\$4	EPO; JPO; DERWENT	OR	ON	2007/09/26 16:16
S26	0	ll21 and (guid\$4 lift\$4) near pin and pressure	EPO; JPO; DERWENT	OR	ON	2007/09/26 16:16
S27	9	S23 and (guid\$4 lift\$4) near pin and pressure and deposit\$4	EPO; JPO; DERWENT	OR	ON	2007/09/26 16:18
S28	24	S23 and (guid\$4 lift\$4) near pin and taper\$4	EPO; JPO; DERWENT	OR	ON	2007/09/27 08:04
S29	570	S11 and (guid\$4 lift\$4) near pin same (recess groove)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/26 16:21
S30	3668	S11 and pin same sleeve	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/26 17:12
S31	631	S11 and pin same sleeve same lift\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/26 17:12